IN THE CLAIMS:

Please amend claims 1- 19 as follows:

1. (Currently Amended) ~~Method~~A method of non-invasive exploration for assessing the digestive motricity and/or transit of a human or animal subject, ~~characterized in that it consists of~~comprising:

said subject swallowing an ingestible transmitting element ~~(E)~~ which is non-digestible containing means transmitting at a given fixed frequency;

measuring, at a given time using at least three reception means ~~(R1, R2, R3)~~ distributed around said subject's trunk, the phase shift of the frequency transmitted by said transmission means relative to a reference phase;

determining by triangulation on the basis of the three phase-shift measurements the position of said element;

defining, according to the position of said element, a data for the assessment of the digestive motricity and/or transit.

2. (Currently Amended) ~~Method~~The method according to claim 1, characterized in that the measurements corresponding to the phase shift are stored in memory means ~~(5)~~.

3. (Currently Amended) ~~Method~~The method according to claim 1 ~~or 2~~, characterized in that the receiving means ~~(R1, R2, R3)~~ are placed around the abdominal belt.

4. (Currently Amended) ~~Method~~The method according to claim 1, characterized in that a series of position measurements are made which are spread over time.

5. (Currently Amended) ~~Method~~The method according to ~~one of the preceding claims~~claim 1, characterized in that a position reference measurement is made when the element is in the mouth of the subject, before he swallows it.

6. (Currently Amended) ~~Method~~The method according to ~~one of the preceding claims~~claim 1, characterized in that the power supply of the transmitting element ~~(E)~~ is triggered at given times and the corresponding phase-shift measurements at each given time are stored in the memory means ~~(5)~~.

7. (Currently Amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, characterized in that the amplitude of the transmission frequency of the transmission means is modulated as a function of the amplitude of a signal picked up by a sensor included in the transmitting element ~~(E)~~, said sensor being able to pick up a signal representing a physiological characteristic.

8. (Currently Amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, characterized in that said subject ingests several transmitting elements over a period of time, each transmitting element having a characteristic frequency.

9. (Currently Amended) ~~Non-invasive~~A non-invasive exploration system for assessing the digestive motricity and/or transit of a human or animal subject, in particular for the implementation of the method according to ~~claims 1 to 8~~claim 1, characterized by: on the one hand:

an ingestible transmitting element ~~(E)~~ which cannot be digested by said subject containing means transmitting at a given fixed frequency; and on the other hand:

receiving means ~~(R1, R2, R3)~~ comprising at least three receivers ~~(A1, A2, A3)~~ intended to be placed around the trunk of said subject, each receiver being able to measure at a given time the phase shift of said transmission frequency relative to a reference phase;

means for processing and analyzing ~~(3, 8)~~ the three phase-shift measurements made by said receivers which are able to determine, by triangulation, the position of said element.

10. (Currently Amended) ~~System~~The system according to claim 9, characterized in that it also comprises means for storing in the memory ~~(5)~~ the phase-shift measurements made by the receivers at a given time.

11. (Currently Amended) ~~System~~The system according to claim 9 ~~or 10~~, characterized by a high transmission frequency.

12. (Currently Amended) ~~System~~The system according to ~~one of claims 10 to 12~~claim 10, characterized in that the transmitting element ~~(E)~~ comprises integrated power supply means.

13. (Currently Amended) ~~System~~The system according to ~~one of claim 9 to 12~~claim 9, characterized in that the transmitting element ~~(E)~~ comprises induced power supply means.

14. (Currently Amended) ~~System~~The system according to ~~one of claims 9 to 13~~claim 9, characterized in that the receivers ~~(R1, R2, R3)~~ are distributed on a belt ~~(1)~~ which is able to be fixed on the trunk of the subject.

15. (Currently Amended) ~~System~~The system according to claim 14, characterized in that the belt also comprises means for the induction of the power supply of said transmitting element.

16. (Currently Amended) ~~System~~The system according to claim 14 ~~or 15~~, characterized in that the analysis and processing means include a card comprising means

for analogue-to-digital conversion ~~(ADC)~~ of the signals picked up and memory means ~~(5)~~ common to the three receivers ~~(R1, R2, R3)~~ and arranged on the belt ~~(1)~~.

17. (Currently Amended) ~~System~~The system according to ~~any one of claims 9 or 16~~claim 9, characterized by means ~~(7)~~ for connecting the memory means ~~(5)~~ to the processing and analysis means and for transferring the data relating to the phase shifts measured.

18. (Currently Amended) ~~System~~The system according to ~~any one of claims 9 to 17~~claim 9, characterized in that the transmitting element ~~(E)~~ comprises a sensor which is able to pick up a signal representing a physiological characteristic, the amplitude of the frequency transmitted by the transmission means being able to be modulated as a function of the amplitude of the signal picked up by said sensor.

19. (Currently Amended) ~~System~~The system according to ~~any one of claims 9 to 18~~claim 9, characterized in that it comprises several transmitting elements intended to be ingested by said subject over a period of time.